

Abstract of the Disclosure

[0037] A compact LED light source providing intensive LED positioning along with thermal dissipation can be made with a heat conductive plate supporting a plurality of LEDs mounted on the plate and in thermal contact with the plate. The plate further supports electrical circuitry providing electrical connection to the LEDs. A heat conductive stem mechanically supports the plate and may provide a thermal conduction path from the plate away from the LEDs. A high concentration of LED can then be conveniently mounted and held in close proximity for increased optical system intensity, while providing a thermal exit path for the associated increase in heat concentration.